VOSAHLO, J.; NOVAK, J.

Tasks of the geological survey service in backing new work methods. (Conclusion) p. 304. RUDY. Praha. Vol. 2, no. 11, Nov. 1954.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 3, March 1956.

VOSAHLO, Jaroslav, inz.; LEFAN, Karel, inz.; STACH, Bretislav, inz.

For a higher standard of mine surveying. Rudy 10 no.11:369-370 N '62.

1. Ministerstvo hutniho prumyslu a rudnych dolu (for Vosahlo). 2. Ustredni geologicky urad (for Lefan). 3. Ministerstvo paliv a energetiky (for Stach).

VOSAHLO, V.

"Instructions on the installation of steel pipes."p.174

VODNI HOSPODARETVL (Ustredni sprava vodniko hospodarstvi) Praha, Czechoslovakia, no. 4, April, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959

Uncl.

VOSANCHUK, S. I.

15-57-4-5308

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4, p 174 (USSR)

AUTHOR: Vosanchuk, S. I.

TITLE: Electrical Prospecting for Karst Areas (Elektricheskaya razvedka ploshchadnogo karsta)

PERIODICAL: Dokl. L'vovsk. politekhn. in-ta, 1955, Vol 1, Nr 2, pp 82-87.

ABSTRACT: To find karst areas in gently dipping limestones that are covered by clastic rocks, the author recommends the use of a vertical electrical sonde. The karst character of limestones is identified by a decrease in the slope of the right side branch of the sonde; when no karst is present the slope is 45°. The author examines the relationship between the resistivity of the limestone and the degree of karst development.

Card 1/1 V. M. Z.

VOSANCHUK, S. I.

14-57-7-14494

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7, p 37 (USSR)

AUTHOR: Vosanchuk, S. I.

TITLE: Electric Investigation of Karst Regions (Elektricheskaya razvedka karsta)

PERIODICAL: Nauch. zap. L'vovsk. politekhn. in-ta, 1955, Nr 35, pp 3-16

ABSTRACT: Drilling and large mining excavations cannot give us an accurate estimate of the karst nature of a soluble rock mass. Only the less expensive geophysical exploration is capable of supplying such data. Vertical electrical sounding (VEZ) can determine the ratio between the karst cavity volume and the total volume of rock. The work should be performed as follows: 1) minimum dispersal of the electrodes should be maintained (a sufficient distribution produces at

Card 1/2

Electric Investigation of Karst Regions (Cont.)

least three points along the terminal arm of the VES); 2) the electrodes should be placed along karst openings (the alignment of openings is obtained by special circumferential determinations); 3) numerous observation points should be established and two separate observation systems are recommended--one for basic study and one for detailed determinations. The latter may be located at any point of interest. All measurements must be very accurate. Experience has shown that this method produces desired results.

A. M. B.

Card 2/2

S/169/62/000/006/044/093
D228/D304

AUTHOR: Vosanchuk, S. I.

TITLE: Investigation of subsidence phenomena by means of electric prospecting

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 6, 1962, 34, abstract 6A255 (Nauchn. zap. L'vovsk. politekhn. in-t, no. 75, 1960, 3-9)

TEXT: Electric prospecting operations were executed by the methods of profiling and sounding. Narrow local zones of increased resistance, interpreted as calcareous, and zones of reduced resistance, interpreted as cavities, were found. It is noted that it is possible by electric prospecting methods to develop criteria for predicting suffosion and karst features in engineering geology surveys. [Abstracter's note: Complete translation.]

Card 1/1

VOSANCHUK, S.S.; PARTYKA, I.I.

Stratigraphy of the Devonian deposits in the zone of the southern slope of the Dnieper-Donets Lowland. Dokl.AN SSSR 144 no.4:875-877 Je '62. (MIRA 15:5)

1. Ukrainskiy nauchno-issledovatel'skiy geologorazvedochnyy institut. Predstavleno akademikom D.V.Nalivkinym.
(Dnieper-Donets Lowland—Geology, Stratigraphic)

VOSANCHUK, S.S.

Formation of Riphaeus sediments in Podolia. Trudy UkrNIGRI no.1:75-78 '59. (MIRA 12:12)

(Podolia--Geology, Stratigraphic)

15-1957-3-2985D

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3, p 80 (USSR)

AUTHOR: Vosanchuk, S.S.

TITLE: Lithology of the Rifeyskiye (Riphaean) and Lower Paleozoic Rocks in Podolia (Litologiya rifeyskikh i nizhnepaleozoyskikh otlozheniy Podolii)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Geological and Mineralogical Sciences, presented to the L'vovsk. un-t (L'vov University), 1956.

ASSOCIATION: L'vovsk. un-t (L'vov University), Lvov.

Card 1/1

VOSATKA, A.

VOSATKA A.

K vyskytu Pelger-Huetovy anomalie neutrofilnich krvinek. /Pelger-Huet abnormalities in the development of white blood cells/ Cas. lek. cesk. 89:15 14 Apr 50 p. 424-5.

1. Of the Third Internal Clinic (Head — Prof. Charvat, M.D.) and of the Central Institute of Endocrinology (Head — Docent. Karel Silink).

CLML Vol. 19, No. 2 Aug. 1950

SOYKA, O.; VOSATKA, A.

Pelger-Huet abnormalities in the development of white blood cells. Cas.lek.cesk. 89 no.15:424-425 14 Ap '50. (CLML 19:2)

1. Of the Third Internal Clinic (Head -- Prof. Charvat, M.D.) and of the Central Institute of Endocrinology (Head -- Docent Karel Silink).

VOSATKA, F.

WEISS, A.; VOSATKA, F.

Polarography of cervical cycle. Cas. lek. cesk. 96 no.39:1237-1242 27 Sept 57.

1. Porodnickogynekologicke oddeleni KUNZ, Karlovy Vary. Prednosta: prim. V. Jurcikova Centralni laboratore Cs. statnich lazni v Karlovich Varech. Prednosta: Arthur Weiss.
(MENSTRUATION,
menstruation cycle, polarography (Cz))

VOSATKA, Frantisek

Ostecarthritic disorders from gynecologist's viewpoint. Cesk. gyn. 25[39] no.1/2:46-49 Mr '60.

1. Por. gyn. odd. KUNZ v Karlovych Varech, predn. MUDr. V. Jurcikova.
(OSTEOARTHRITIS etiol.)
(MENOPAUSE, compl.)

DYKOVA, H.; HAVRANEK, F., C.Se.; VOSATKA, F.

Conservative therapy of discharges from the cervix uteri. Cesk. gyn. 26[40] no.4:266-270 '61.

1. Ustav pro pece o matku a dite v Praze, red. doc. dr. M. Vojta Gyn.por.odd. KUNZ-Karlovy Vary, prednosta dr. V. Jurcikova.

(LEUKORRHEA ther) (CERVICITIS ther)

VOSATKA, V.

CZECHOSLOVAKIA/Chemical Technology, Chemical Products and Their Application, Part 2. - Ceramics, Glass, Binders, Concretes. - Ceramics. H-13b

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 33231.

Author : V. Vosatka.
Inst : Not given.
Title : Possibilities of Mechanization of Work at Annular Kilns.

Orig Pub: Mechanisace, 1957, 4, No 10, 349-352.

Abstract: Review. Transportation installations used in Great Britain, Federal Republic of Germany and USSR for charging annular kilns with bricks and discharging them are discussed.

Card : 1/1

VOSATIKA, V.

"A new device for testing concrete pipes."

p. 137 (Mechanisace, Vol. 5, No. 4, April 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 9, September 1958.

VOSATKA, V.; JAGR, J.

Mechanizing the supply in limekilns. p. 441. (STAVIVO, Vol. 34, No. 12, Dec 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

VOSATKA, V.

H-13b

CZECHOSLOVAKIA/Chemical Technology, Chemical Products and Their Application, Part 2. - Ceramics, Glass, Binders, Concretes. - Ceramics.

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 33232.

Author : V. Vosatka.
Inst : Scientific Research Institute of Building Materials, Scientific Research Institute ofTechnology and Mechanization of Building.
Title : Improvement of Hot Air Extraction from Annular Kilns.

Orig Pub: Stavivo, 1957, 35, No 10, 398-399.

Abstract: At the brick factory Zhidenitse (town of Brno, Czechoslovakia), the members of the Scientific Research Institute of Building Materials and the Scientific Research Institute of Technology and Mechanization of Building improved and tried at work a transportable installation (I) for

Card : 1/3

CZECHOSLOVAKIA/Chemical Technology, Chemical Products and Their Application, Part 2. - Ceramics, Glass, Binders, Concretes. - Ceramics. H-13b

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 33232.

extraction of hot air from cooling annular kilns with a view to the following utilization in the drying plant. The installation consists of a system of tubes with elbows designed to be connected with the charging devices of the kilns; the suction tubes 12.5 mm in diameter are connected to stirrers by rings with sand or asbestos packing. The complete system of 6 suction tubes is moving on a light two-sheeled cart from two sets of stirrers to the next two sets; the position change of the installation together with packing takes 10 min., and the setting of the suction heat regime requires 4 min. The installation is provided with electric signalization for automatic measurement of air temperature

Card : 2/3

CZECHOSLOVAKIA/Chemical Technology, Chemical Products and Their Application, Part 2. - Ceramics, Glass, Binders, Concretes. - Ceramics. H-13b

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 33232.

which has to be 150° at the drying plant; if the temperature dropped below, or rose above, this temperature, the installation sends acoustic or light signals of regime disturbance, after which the attending personnel changes the position of the installation or adjusts it. The exploitation of the installation showed that it is tight enough; thus, the consumption of air at the drying plant was 10,670 cub.m per hour, while it was 11,300 cub.m per hour at the suction places.

Card : 3/3

VOSATKA, V.

Machinery for the relocation fo rails.

p. 333 (Mechanisace. Vol. 4, no. 9, Sept. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

VOSATKA, V.

Mechanization of the charge in rotary kilns. p. 354. STAVIVO. (Ministerstvo stavebnictvi) Praha. Vol. 32, no. 10, Oct. 1954.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

Vosatka, V.

Vosatka, V. Complete mechanization of brick works. p. 64.
-cech- Preparation for the March Sample Fair in Leipzig. p. 66.

Vol. 35, no. 2, Feb. 1957
STAVIVO
TECHNOLOGY
Czechoslovakia

So. East European Accessions, Vol. 6, May 1957
No. 5

VOSATKA, V.

Valsa, V. Research work and the production of capital goods. p. 170.
STAVIVO, Praha, Vol. 33, no. 5, May 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

VOSATKA, V.

"Production of pressure pipes." (p. 135). STAVIVO (Ministerstvo stavebnich hmot) Praha, Vol 32, No 4, Mar. 1954.

SO: East European Accessions List, Vol 4, No 8, Aug 1954

VOSATKA, V.; HELAN, B.

"L. Matejka and J. Vapenik's article 'Moulding Bricks by Stamp Presses without adding water.'" (p. 181).
"Experiment station for carrying out suggestions for improvements and inventions in building." (p. 183). STAVIVO (Ministerstvo stavebnich hmot). Praha, Vol 32, No 8, Mar. 1954.

SO: East European Accessions List, Vol 4 No 8, Aug 1954

L 18506-66 EWP(t) IJP(c) JD

ACC NR: AP6010253 SOURCE CODE: CZ/0034/65/000/003/0195/0199

AUTHOR: Petlicka, Jaroslav (Engineer); Vosatkova, Vera (Doctor of natural sciences)

ORG: Research Institute for Iron Metallurgy, Prague (Vyzkumny ustav hutnictvi zeleza)

TITLE: Treatment of manganese sulfate monohydrate to obtain the Mn sub 3 O sub 4 oxide during regeneration of sulfuric acid

31
B

SOURCE: Hutnicke listy, no. 3, 1965, 195-199

TOPIC TAGS: manganese compound, sulfate, oxidation, nitric acid, sulfuric acid

ABSTRACT: Laboratory trials in treating $MnSO_4.H_2O$ are described. Mn_3O_4 and H_2SO_4 were produced. Oxidation by gaseous nitric acid was used. The product is very pure; the process described is a one step process. Lower N oxides are recovered, and returned to the process after their transformation into nitric acid. Other possible oxidation agents are discussed. Orig. art. has: 7 figures, 5 formulas, and 3 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 012
SOV REF: 001

Card 1/1 9C

UDC: 622.341.2: 622.775.1

2

VOSATKOVA, Z.

Frequancy of Pelger-Huet developmental anomaly in Czechoslovakia.
Cas. lek. cesk. 93 no.44:1220-1221 20 Oct 54.

1. Z Ustredniho endokrinologickeho ustavu v Praze, reditel doc. Dr Karel Silink, a z laboratore III int. kliniky, prednosta prof. Dr. J.Charvat.

(LEUKOCYTES,
Pelger-Huet anomaly, incidence in Czech.)
(ABNORMALITIES,
Pelger-Huet anomaly, incidence in Czech.)

POLAND / Chemical Technology. Processing of Naturally Deposited Solid Fuels. H

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 75186.

Author : Yako, Takach, Vosatko.
Inst : Not given.
Title : Experiments in Preparing Coke From Non-Coking Coals in Hungary.

Orig Pub: Koks, smola, gaz., 1957, 2, No 6, 299-303, Diskus, 303.

Abstract: Results are reported on the preliminary experiments that were carried out in chamber furnaces (Didje's type) for producing coke from native brown coals. The experiments were varied: briquetting prior to coking, coking followed by briquetting and also repeated coking.

Card 1/2

POLAND / Chemical Technology. Processing of Naturally Deposited Solid Fuels. H

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 75186.

Abstract: The experiments were also conducted on coking mixtures of brown coals with caking coals and and on mixtures of native non-caking or weakly caking coals with caking coals, among them the Czechoslovakian variety. It was shown that from the two-step coking it is possible to obtain brown coal briquettes suitable as a smokeless fuel for non-industrial use. However, stable briquettes were produced by a one-step coking of charge briquettes composed of 55% brown coals, 35% caking coal and 10% pitch.

Card 2/2

SOYKA, Otto, Dr.; za techn. spoluprace, sl.: VOSATKOVE, Zdenky

Effect of alkiron of blood cells. Cas. lek. cesk. 91 no.3: 65-68 18 Jan 52.

1. Z III. int. kliniky K. U. v Praze, prednosta prof. dr. J. Charvat, a z Ustredniho endokrinologickeho ustavu, prednosta doc. dr. K. Silink.

(THIOURACIL, derivatives
methylthiouracil, eff. on blood cells in ther. of hyperthyroidism.)
(BLOOD CELLS, eff. of drugs on
methylthiouracil in ther. of hyperthyroidism.)
(HYPERTHYROIDISM, therapy
methylthiouracil, eff. on blood cells.)

VOSBOYNIK,D. [translater]

Nuclear magnetism F.Blokh. (Amer. Scientist 43 no.1 1955. Translated from the English by D.Voskoboinik). Usp.fiz.nauk 56 no.3: 429-443 Jl'55. (MLRA 8:10)

(Nuclear magnetic resonance)

PROCESSES AND PROPERTIES INDEX

BC

d-1

Fractional reaction for chlorate, bromate, and iodate. N. A. TANANAEV and M. G. VOSKRESENSKAJA (J. Appl. Chem. Russ., 1937, 10, 1118—1121).—Excess of N-$AgNO_3$ is added to 5 ml. of solution, which is filtered; Zn and H_2SO_4 are added to the filtrate, followed after 1—2 min. by 3—4 ml. of HNO_3, and the solution is boiled. A ppt. of AgCl is obtained in presence of ≮0·0076 mg. of $KClO_3$. The residue from the above filtration is washed, and boiled for 1 min. with 5 ml. of aq. KI, the suspension is filtered, and the filtrate is boiled with 2—3 ml. of HNO_3 and 1 ml. of saturated aq. $Mn(NO_3)_2$; a ppt. of MnO_2 is obtained in presence of ≮0·02 mg. of $KBrO_3$. 5 ml. of solution are boiled with 5 ml. of saturated aq. $BaCl_2$ and 1 drop of aq. NaOH, and the ppt. is collected, washed, and dissolved in hot 20% HCl. 1 ml. of 20% H_2SO_4 and 2 ml. of 0·05N-NH_4CNS are added to the solution; a coloration due to liberated I_2 develops (≮0·12 mg. of KIO_3). Cl', Br', I', and SO_4'' do not interfere with the above reactions. R. T.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1. VOSDRESENSKIY, P. I.

2. USSR 600

4. Rozengart, M. I.

7. "Technique of laboratory distillation and redistillation." M. I. Rozengart. Reviewed by P. I. Voskresenskiy, Sov. kniga, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

PROCESSES AND PROPERTIES INDEX

BC

B-I-5

Decomposition of the solid solution in stainless steels of the "non-corroding 6" type during cold-rolling. M. Vorovilenski and G. Semonev (Tech. Phys. U.S.S.R., 1935, 2, 257—269).—Sheets of stainless steel after hardening or hot-rolling were cold-rolled and the crystal structure was investigated by X-ray analysis. Hardening at 1150° was sufficient to produce a pure austenite steel, but decomp. takes place on rolling. The greater is the speed or intensity of deformation the slower is the decomp. From a knowledge of the velocity-deformation curve for a given type of steel it is possible to obtain any desired properties in the steel at a given degree of rolling. The decomp. does not occur uniformly throughout the sheet, but is greatest at the surface. This is due to irregular distribution of the stresses set up in rolling, and to a smaller extent to a reduction of the C content due to combustion during hardening.

A. J. M.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

VOSDVIZHENSKIY, P. I.

Razvedochnoye Bureniye /Exploratory Drilling, By/ N. I. Kulichikhin i P. I. Vosdvizhenskiy. Moskva, Gosgeolizdat, 1949. 566 p. Diagrs. Tables.

N/5
622.021
.K9

VOSDVIZHENSKIY, B. I.

Razvedochnoye bureniye (Exploatory drilling, by) N. I. Kolchikhin i B. I. Vosdvizhenskiy. Moskva, Gosgeolizdat, 1949. 566 p. diagrs., tables.

N/5
622.021
.K9

VOSDVIZHENSKIY, G.S.; VALKIEV, A.Sh.; GORBACHUK, G.A.

Dispersibility of electrolytes during the electrochemical processing of cutting tools. Zhur.prikl.khim. 26 no.10:1094-1096 O '53. (MLRA 6:10)
(Electrolytes) (Cutting machines) (Metals--Finishing)

VOSEDALEK, J. PHASE I BOOK EXPLOITATION JUN 25 2/6284 4/2

Jerie, Jan, ed., Engineer, Doctor, Corresponding Member of the Czechoslovak Academy of Sciences

Základní problémy ve stavbě spalovacích turbin (Basic Problems in the Construction of Gas Turbines [collection of articles]). Prague, Nakl. ČAV, 1962. 627 p. 1600 copies printed.

Sponsoring Agency: Československá akademie věd.

Ed. of Publishing House: Marie Moravcová; Tech. Ed.: František Končický.

PURPOSE: The book is intended to familiarize turbine designers with recent developments in the design of gas turbines and to present some research results which may be helpful in designing more efficient turbines.

COVERAGE: The book comprises articles by leading Czechoslovak turbine experts on thermodynamic cycles, flow research in turbine components,

Card 1/8

Basic Problems in the Construction (Cont.)

SHCHERBAKOV, O.A.; GARAN', I.M.; POSTOYALKO, M.V.; BURYLOVA, R.V.; VOSHCHAKIN, M.A.; PIROZHKOVA, Z.A.

Stratigraphy of the boundary layers of the Tournai and Visé stage in the Central Urals. New data based on the profile in the railway groove between the Upper and Lower Gubakha. Dokl. AN SSSR 158 no.1:112-115 S-O' 64 (MIRA 17:8)

1. Predstavleno akademikom D.V. Nalivkinym.

SMIRNOV, G.A.; GROZDILOVA, L.P.; LEBEDEVA, N.S.; VOSHCHAKIN, M.A.

Characteristics of the boundary layers between the Tounaisian and Visean stages on the western slope of the central Urals. Dokl. AN SSSR 149 no.2:395-398 Mr '63. (MIRA 16:3)

1. Institut geologii Ural'skogo filiala AN SSSR. Predstavleno akademikom N.M.Strakhovym.
(Ural Mountains--Geology, Stratigraphic)

VOSHCHAKIN, M.A.

Find of the alga Epiphyton in upper Devonian deposits of the Southern Urals. Paleont.zhur. no.4:146-148 '59.
(MIRA 13:6)

1. Ural'skiy filial Akademii nauk SSSR.
(Koltuban region--Algae, Fossil)

VOSHCHAKINA, A.F.; ZHGUN, L.P.

Design and manufacture technology of the pneumatic rubber hose braking system for the collapsible tire building drum of the MSPD tire assembly machine. Kauch. i rez. 22 no.9:53-54 '63. (MIRA 16:11)

1. Leningradskiy shinnyy zavod.

VOSHCHANKINA, N.V.

USSR / Microbiology. Antibiosis and Symbiosis. Antibiotics. F-2

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21865

Author : Voshchankina, N.V., German, S.G., Kornilova, G.V.
Inst :
Title : Investigation of the Resistance to Sulfamin and Syntomycin of Dysentery Microbes.

Orig Pub: Tr. Omskogo Gos. n.-i. in-ta epidemiol., mikrobiol. i gigieni, 1955, No 3, 113-117

Abstract: Of 141 freshly-isolated strains of dysentery bacilli, 124 (87.9%) were found resistant to sulfidin and disulfane. The sensitivity was determined of 731 cultures to different concentrations of syntomycin. 12.3% of cultures were resistant to 0.4 mg %, 28.4% to 0.2 mg %, and 73.7% to 0.1 mg % of syntomycin.

Card : 1/1

VOSHCHAKINA, N. V., SHAYMAN, M. S., YEROKHINA, N. N., LONZINGER, K. G., BELLINGER, A. I.

"Tick Rickettsiosis Foci in Novosibirskaya Oblast," Trudy of Tomsk Inst. of Vaccines and Sera, No. 7, pp 153-159, found in Medits. Parazitol. i Parazitar. Bolez., 3rd quarter, 1956.

SUM: 1391

VOSHCHAKINA, N. V., SHAYMAN, M. S.

"Small wild mammals and ticks: the rickettsia reservoirs of the north Asian tick-borne spotted fever in the forest-steppe of the West Siberian lowland." p. 101

Desyatoye soveshchaniye po parazitologicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254 pp.

Omsk Inst. of Epidemiological, Microbiology and Hygiene

PETRIK, G.K.; VOSHCHAKINA, V.A.; SARYMSAKOV, Sh.

Device for distilling substances with high melting points in a deep vacuum. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 3 no.2:101-103 '61. (MIRA 16:7)

(Distillation apparatus)

S/081/62/000/006/043/117
B101/B110

AUTHORS: Petrik, G. K., Voshchakina, V. A., Sarymsakov, Sh.

TITLE: Apparatus for high-vacuum distillation of substances with high melting point

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 163 - 164, abstract 6Ye90 (Izv. AN KirgSSR. Ser. yestestv. i tekhn. n., v. 3, no. 2, 1961, 101 - 103)

TEXT: An apparatus was designed for fractionating products of low-temperature hydrogenation of coals in which no outlets for the condensate are heated. The product to be distilled is filled into the space between the walls of the spherical part of the distillation flask and a wide hollow tube molten onto its bottom. This tube is connected with the receiver having four sections. A condenser with ground-in connection is introduced into the neck of the flask. The lower part of this condenser reaches into the center of the hollow tube which is molten onto the bottom of the flask. The flask is placed into a detachable aluminum block which in turn is placed into a furnace together with the flask. The

Card 1/2

Apparatus for high-vacuum ...

S/081/62/000/006/043/117
B101/B110

vacuum is produced by a mercury vapor diffusion pump in the flask and a system of traps for collecting the water and the light oils. Continuous heating of the neck of the flask and of its spherical part prevents complete solidification of the distilled-off product on the condenser surface. [Abstracter's note: Complete translation.]

Card 2/2

VOSHCHAKINA, N.V.

Epidemiological and etiological characteristics of northern Asiatic tick-borne exanthematous typhus in the Armizonskoye District of Tyumen' Province. Zhur.mikrobiol., epid.i immun. 33 no.4:47-53 Ap '62. (MIRA 15:10)

1. Iz Omskogo nauchno-issledovatel'skogo instituta Ministerstva zdravookhraneneniya RSFSR.
(ARMIZONSKOYE DISTRICT--TYPHUS FEVER)
(TICKS AS CARRIERS OF DISEASE)

ACC NR: AP6030798 (A,N) SOURCE CODE: UR/0346/66/000/009/0038/0040

AUTHOR: Gudoshnik, A. N.; Yegorova, L. S.; Voshchakina, N. V.; Chulovskiy, I. K.

ORG: Omsk Scientific Research Institute for Naturally Focal Infections (Omskiy nauchno-issledovatel'skiy institut prirodnoochagovykh infektsiy)

TITLE: Dogs as possible carriers of zoonotic infections

SOURCE: Veterinariya, no. 9, 1966, 38-40

TOPIC TAGS: animal disease, veterinary medicine, dog, cattle, sheep, brucellosis, Q fever, leptospirosis

ABSTRACT: Because of its close contact with human domestic and forming activity, the dog is included in the infective cycle of several diseases which may be spread from animals to humans. Among such diseases which dogs naturally harbor are brucellosis, leptospirosis, and Q fever. The blood of 256 dogs on five forms in the Omsk oblast was examined using the following tests: agglutination reaction and Huddleson's reaction for brucellosis, complement-fixation (with antigen from *R. Burneti*) for Q fever, and the microagglutination-lysis reaction for leptospirosis, using nine *Leptospira* strains. Based on their results, the authors

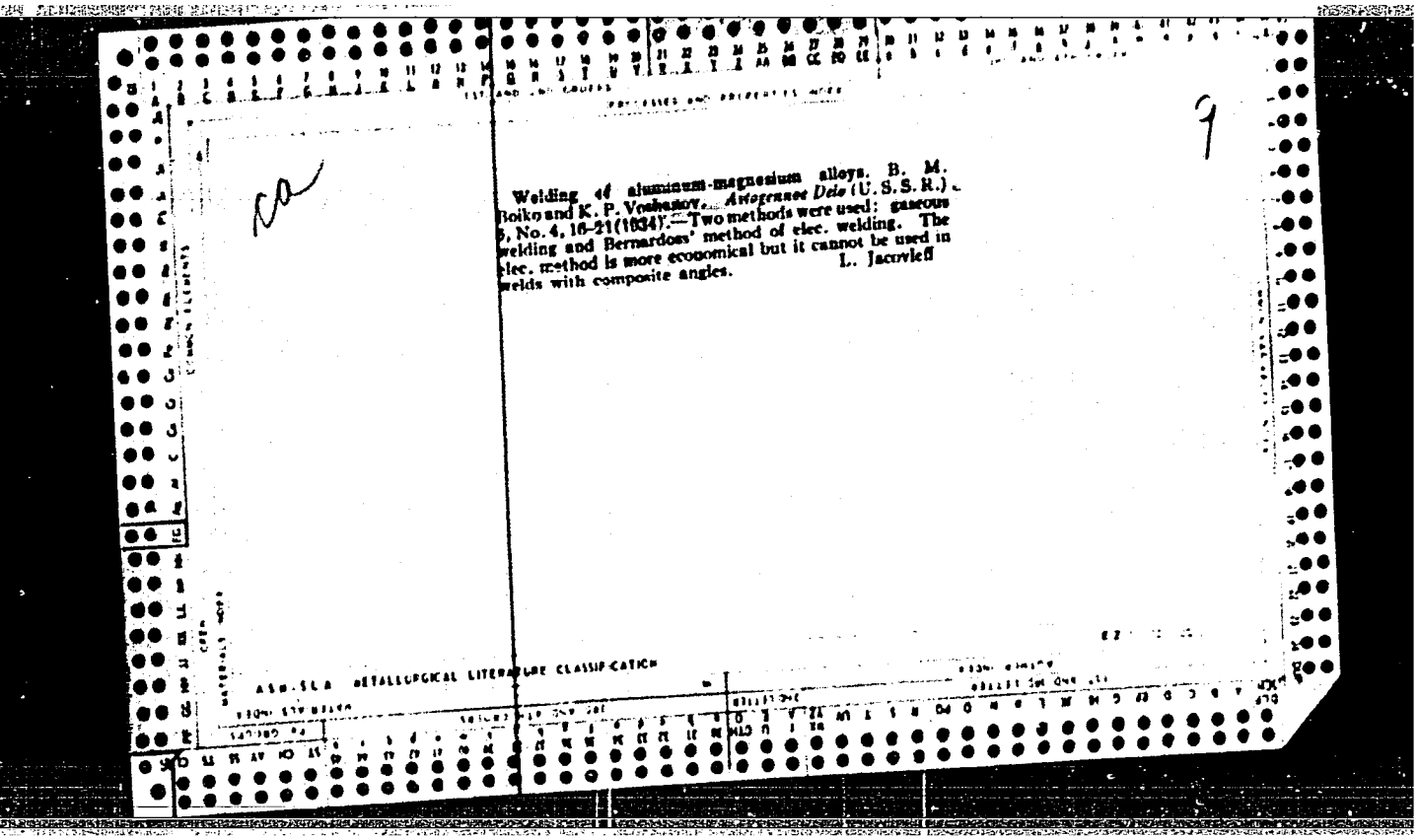
Card 1/2 UDC: 619:616.98.031.2:636.7

ACC NR: AP6030798

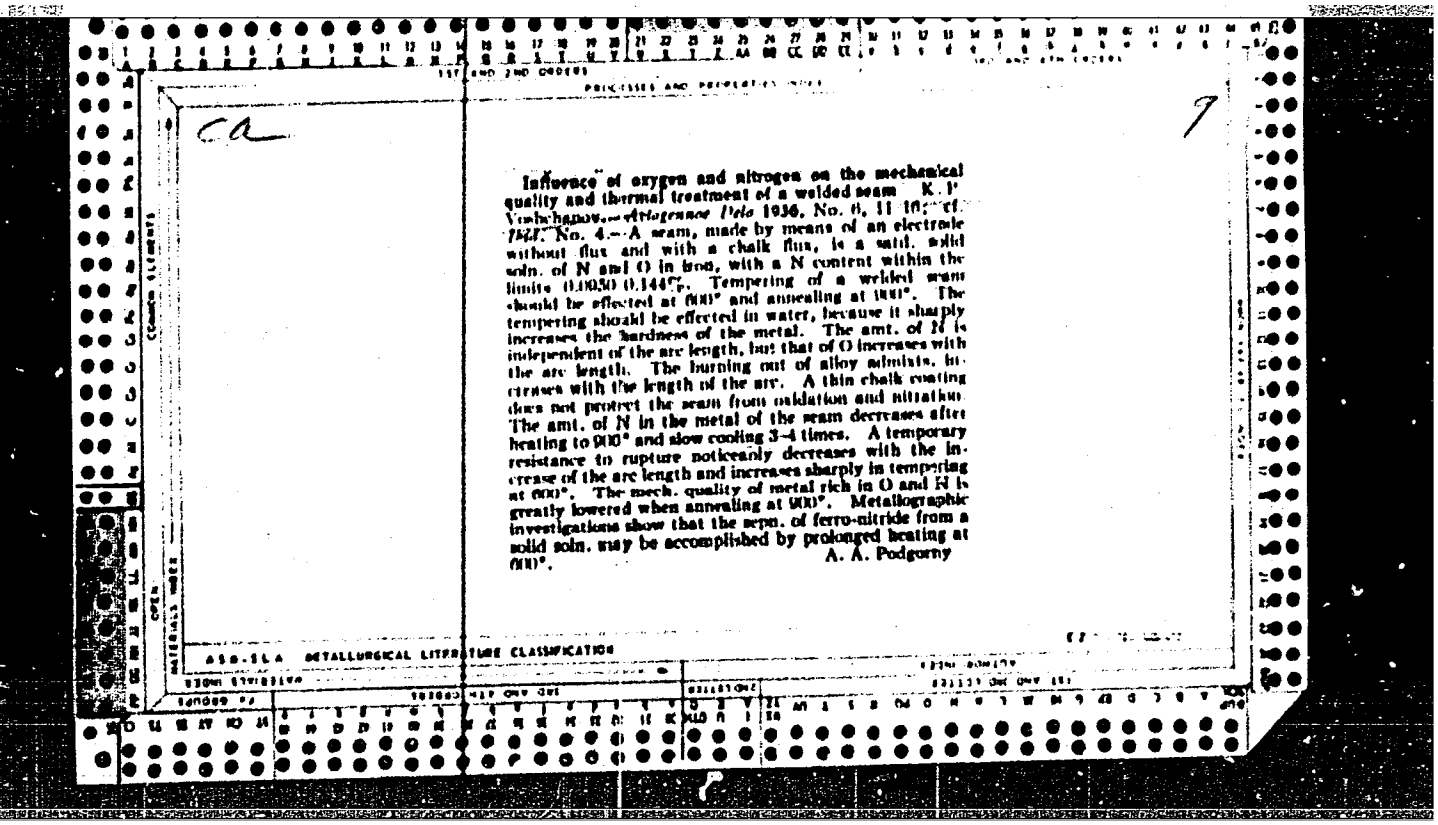
failed to establish a real correlation in the percentage of infected dogs and the intensity and course of brucellosis among livestock. It was noticed that on farms where livestock suffered acute brucellosis, Wright's reaction was positive at higher titers (1:320) while the titer was not above 1:50 on farms where clinical signs of brucellosis were not observed. The results of serological studies for Q fever and leptospirosis were also fairly inconclusive statistically. It was found that *Leptospira icterohaemorrhagia* was most widespread among all animals studied. Dogs alone showed antibodies for *L. grippotyphosa*, *L. pomona*, and *L. hebdomadis* most frequently, and cattle and sheep for *L. tarassovi* and *L. batavial*. However, in many cases, antibodies for two or three leptospiral serotypes were found simultaneously. The authors conclude that dogs may maintain these diseases among livestock, and that preventive measures should be undertaken on affected forms. [WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: none/

Card 2/2

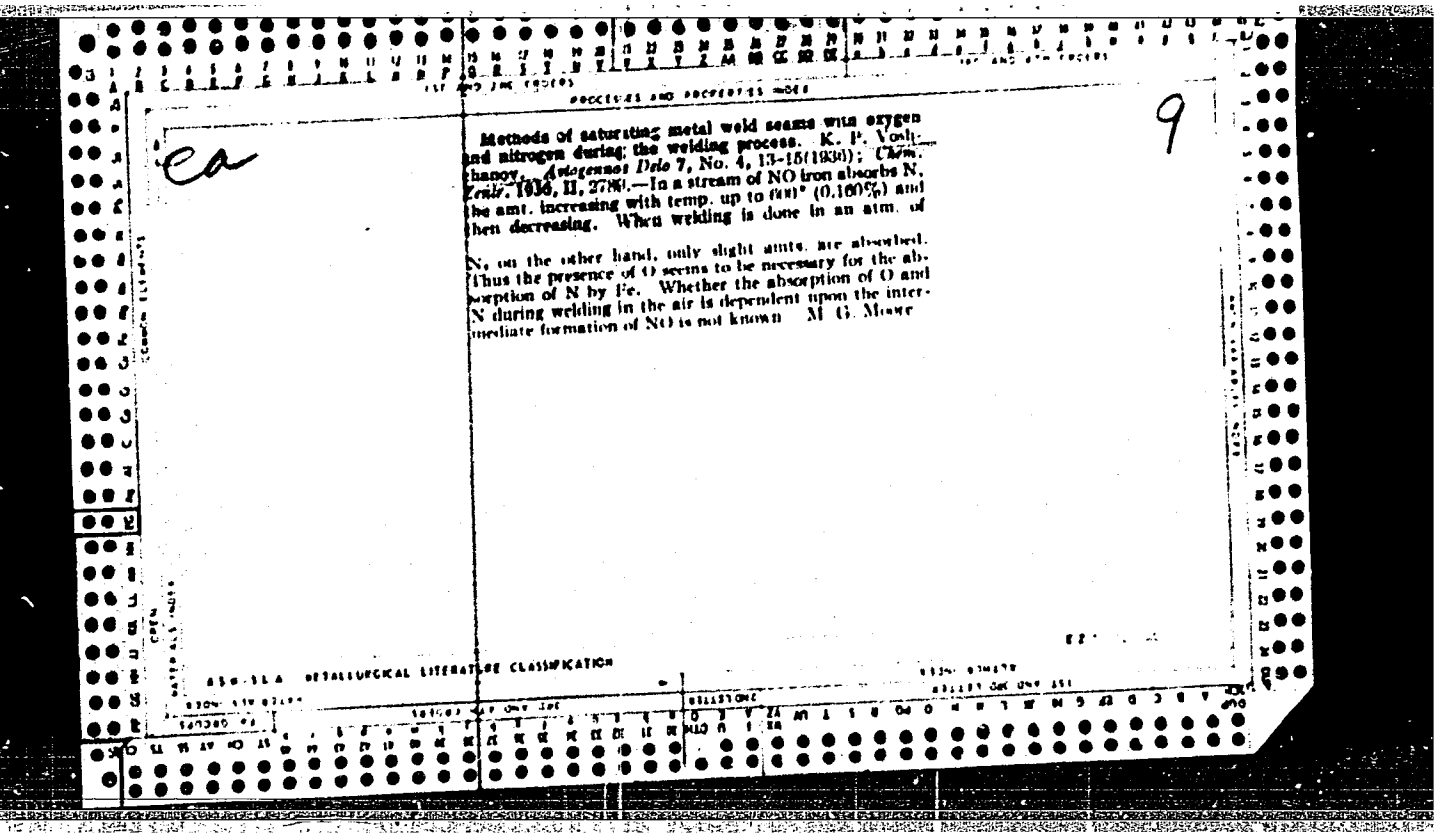


Welding of aluminum-magnesium alloys. B. M. Boiko and K. P. Voshanov. *Avtogennoe Delo* (U. S. S. R.) 5, No. 4, 16-21 (1934).—Two methods were used: gaseous welding and Bernardoss' method of elec. welding. The elec. method is more economical but it cannot be used in welds with composite angles. L. Jacovleff



Influence of oxygen and nitrogen on the mechanical quality and thermal treatment of a welded seam. K. P. Vinchenow.—*Avtogennoe Delo* 1936, No. 6, 11-16; cf. *I.M.F.*, No. 4.—A seam, made by means of an electrode without flux and with a chalk flux, is a satd. solid soln. of N and O in iron, with a N content within the limits 0.1030-0.144%. Tempering of a welded seam should be effected at 700° and annealing at 1000°. The tempering should be effected in water, because it sharply increases the hardness of the metal. The amt. of N is independent of the arc length, but that of O increases with the arc length. The burning out of alloy admixts. increases with the length of the arc. A thin chalk coating does not protect the seam from oxidation and nitration. The amt. of N in the metal of the seam decreases after heating to 900° and slow cooling 3-4 times. A temporary resistance to rupture noticeably decreases with the increase of the arc length and increases sharply in tempering at 600°. The mech. quality of metal rich in O and N is greatly lowered when annealing at 900°. Metallographic investigations show that the sepn. of ferro-nitride from a solid soln. may be accomplished by prolonged heating at 600°.

A. A. Podgorny



Methods of saturating metal weld seams with oxygen and nitrogen during the welding process. K. P. Voskhanov. *Avtogennoe Delo* 7, No. 4, 13-15(1936); *Chim. Zentr.* 1936, II, 2780.—In a stream of NO iron absorbs N, the amt. increasing with temp. up to 600° (0.160%) and then decreasing. When welding is done in an atm. of N, on the other hand, only slight amts. are absorbed. Thus the presence of O seems to be necessary for the absorption of N by Fe. Whether the absorption of O and N during welding in the air is dependent upon the intermediate formation of NO is not known. M. G. Mason

1. VOSHCHANOV, K.P.

2. USSR (600)

4. Technology

7. Manual of equipment for the electric and gas welding shop in trade and railroad schools. Moskva, Trudrezervizdat, 1952

9. Monthly List of Russian Accessions, LibraryofCongress, February, 1953.Unclassified.

VOSHCHANOV, K. P. Nov 52

USSR/Metallurgy - Welding, Methods

"On Welding Cast Iron," Engr K. P. Voshchanov

Avtogen Delo, No 11, pp 31, 32

States lack of theoretical works and generalization in "cold" welding of cast iron; attempts systematic division of existing methods into 4 groups, by electrodes used: cast iron electrode for electric arc and cast iron rod for gas welding; steel electrodes with thin stabilizing or thick high-quality coatings; electrodes giving synthetic cast iron; electrodes and welding rods made of nonferrous metals, such as Cu, bronze, brass, Cu-Ni and Fe-Cu alloys. Discusses selection of method for various cases of industrial practice.

266T55

VOSHCHANOV, K.P. (Eng.)

Welding

Fusing cracks in steam-boiler drums caused by caustic brittleness. Avtog. delo 23 No. 7, 1952.

Monthly List of Russian Accessions, Library of Congress. November 1952, UNCLASSIFIED

1. VOSHCHANOV, K. P., Eng.

2. USSR (600)

4. Welding

7. Welding of cast iron. Avtog. delo 23 No. 11, 1952.

9. Monthly List of Russian Accessions. Library of Congress, February 1953. Unclassified.

1. VOSHCHANOV, K., ENG.

2. USSR (600)

4. Compressors

7. Repair of cylinders of ammonia horizontal compressors. Khol. tekh. 29. No. 3. 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

VOSHCHANOV, K.P.

IVANOV, G.B.; VOSHCHANOV, K.P., inzhener, retsenzent; KHYLOV, V.I. inzhener, redaktor; GOLOVIN, S.Ya., inzhener, redaktor; ZVEGIN-TSEVA, K.P., inzhener, redaktor; UVAROVA, A.F., tekhnicheskiy redaktor.

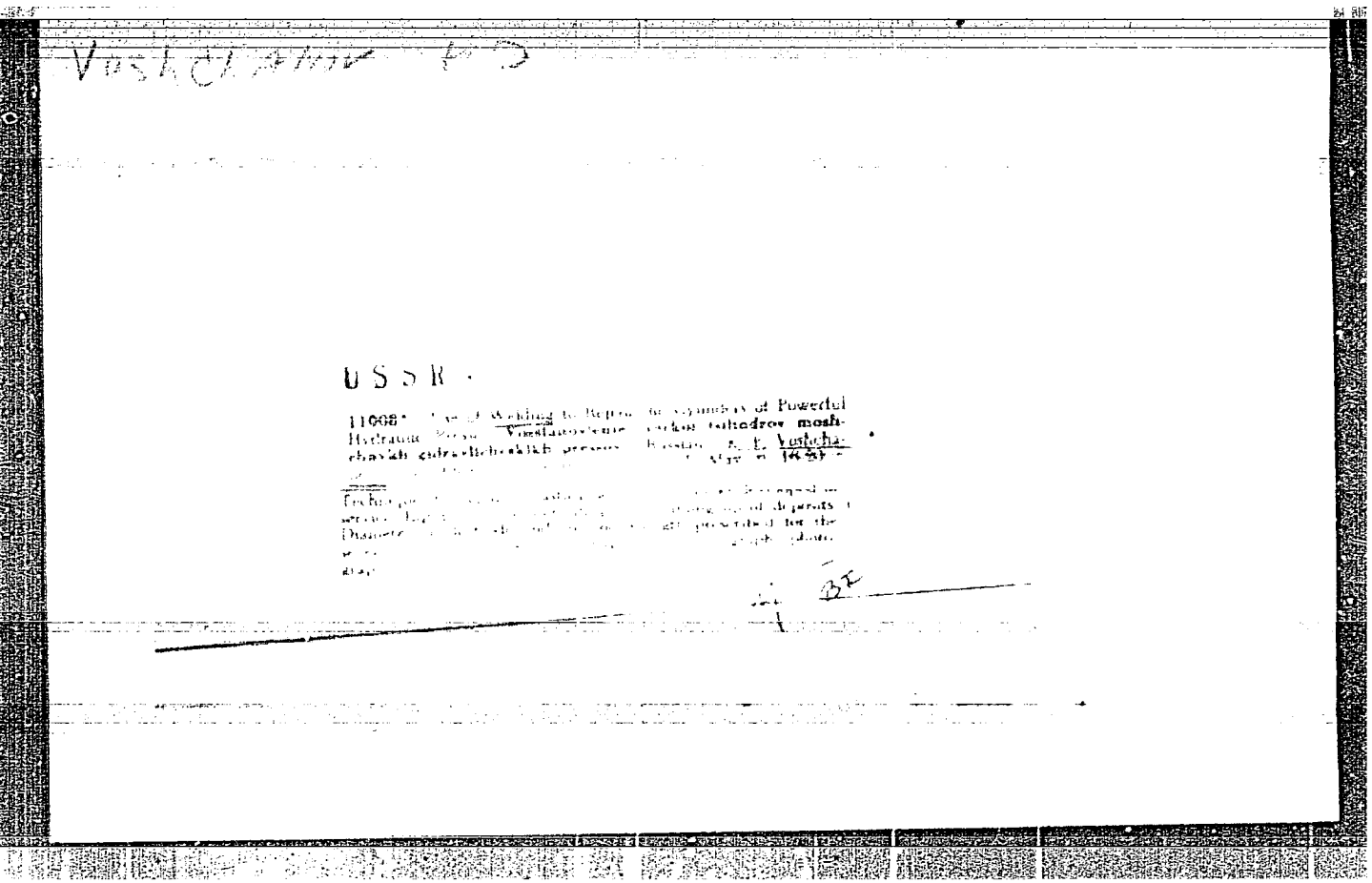
[Correcting defects in cast iron] Ispravlenie defektor chugunnogo lit'ia. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1955. 121 p. (MLRA 8:11)
(Cast iron--Welding)

VOSHCHANOV, K.

Welding sections of cast iron heating system boilers. Zhil.-kom. khoz. 5 no.4:13-16 '55. (MLRA 8:9)

1. Glavnyy inzhener TSentral'nykh eksperimental'nykh svarochnykh masterskikh Glavkisloroda

(Boilers--Welding)



USSR

APPROVED FOR RELEASE: 03/14/2001 CIA-RDP86-00513R001861020008-5"

VOSHCHANOV, K.P.

Subject : USSR/Engineering-Welding AID P - 4522

Card 1/1 Pub. 107-a - 8/13

Author : Voshchanov, K. P.

Title : Welding of Supporting Steel Tires (or Riding Rings) of Rotary Cement Kilns.

Periodical : Svar. proizv., 2, 23-24, F 1956

Abstract : The supporting rotary cylinder steel tires, some 5 - 6 meters in diameter, made of the 35-5015 (GOST 977-41) steel are cast in two - pieces (to meet the transportation problem) and then welded together upon delivery to the place of installation. The author describes the new approach and the welding technique. Three drawings.

Institution : Central Experimental Welding Shops of the Glavkisloromash.

Submitted : No date

VOSHCHANOV, K. P.

SUBJECT: USSR/Welding 135-3-9/17

AUTHORS: Voshchanov K.P., Engineer, and Kesel'man I.A., Engineer.

TITLE: Welding of Runner of High-Pressure Hydro-Turbine. (Zavarka rabochego kolesa gidroturbiny vysokogo davleniya).

PERIODICAL: "Svarochnoye Proizvodstvo", 1957, # 3, pp 20-22.

ABSTRACT: At a hydroelectric power plant (unspecified), high pressure turbines made by Italian company San Giorgio (10,000 kwt, 600 rpm) are employed. These turbines have runners with 22 buckets. The weight of one runner is 2200 kg, and it works in horizontal position. The material is cast steel with 0.25% C; 0.63 % Mn; 0.25 % Si; 0.039 % S; 0.035 % P; 0.1 % Cr; thickness of runner body is 250 mm, minimal thickness of bucket wall is 20 mm.

After 3090 hours of operation cracks developed at junction sections at all 22 buckets, 60 to 180 mm long and 25-35 mm deep. The cracks were caused by improper design, porous and impure metal and improper heat treatment.

The cracks were burnt out by electric arc after pre-heating

Card 1/3

TITLE: Welding of Runner of High-Pressure Hydro-Turbine. (Zavarka rabochego kolesa gidroturbiny vysokogo davleniya).

the runner to 200-250°C by an induction winding. Then, areas were covered with powdered iron and checked for absence of cracks by local magnetising. So prepared for welding, the runner was heated by induction currents to 250-280°C, and the crack spots were welded with electrodes "УОНИ-13/55", on direct current of reverse polarity, using the common current rating. The weld metal was carefully hammered layer-by-layer with a chisel of special shape. The weld metal surface was continuously observed for absence of cracks and fissures, every suspicious spot was again burnt out and refilled. The last welds in the transfer sections from the bucket to the runner body were made particularly carefully, thus a smooth transfer to base metal, without incisions and roughness was achieved.

After welding, the runner was tempered for 3 hours at 650° and cooled together with the oven to relieve the stresses caused by welding. The check of the wheel on its shaft proved full symmetry and absence of heating.

The three repaired runners are now working under normal load.

135-3-9/17

TITLE: Welding of Runner of High-Pressure Hydro-Turbine. (Zavarka rabochego kolesa gidroturbiny vysokogo davleniya).

The experience of restauration high pressure hydraulic turbine runners is unprecedented in the Soviet Union.

ASSOCIATION: Central Experimental Welding Workshops of Glavkislorodmash (Tsentral'nye eksperimental'nye svarochnye masterskiye Glavkislorodmasha).

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress.

Card 3/3

Voshchanov, K.P.

VOSHCHANOV, K.P., inzh.

Welding in repair work. Svar.proizv. no.11:38-41 N '57. (MIRA 10:12)
(Industrial equipment--Maintenance and repair) (Electric welding)

CHERNYSHEVA, Yelena Vasil'yevna,; VOSHCHANOV, K.P., inzh., retsenzent,; TSEGEL'SKIY, V.L., inzh., retsenzent,; ZVEGINTSEVA, K.V., inzh., red.; STEPANCHENKO, N.S., red. izd-va,; EL'KIND, V.D., tekhn. red.

[Current sources for the electric welding arc] Istochniki pitaniia svarochnoi dugi. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 112 p. (MIRA 11:10)
(Electric welding)

VOSHCHANOV, KONSTANTIN PAVLOVICH

PHASE I BOOK EXPLOITATION 968

Chernyak, Viktor Samuilovich, Engineer, and Voshchanov, Konstantin Pavlovich, Engineer

Spravochnik molodogo svarshchika (Handbook for the Young Welder) Moscow, Trudrezervizdat, 1958. 479 p. 65,000 copies printed.

Scientific Ed.: Shukhgal'ter, L. Ya., Candidate of Tech. Sciences; Ed.: Rychek,T.I.; Tech. Ed.: Rakov, S.I.

PURPOSE: The book is intended primarily for yourg welders who have completed vocational and railroad schools. It may also be of use to workers, foremen and technicians engaged in welding.

COVERAGE: The authors describe modern welding equipment and materials, the latest technology of welding, and the optimum conditions for welding ferrous and nonferrous metals. They also deal with new high-production methods of welding, inspection of weldments, hard-facing, oxygen cutting and safety measures which must be taken to insure safe welding practice. No personalties are mentioned. There are 36 Soviet references.

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Handbook for the Young Welder 968

TABLE OF CONTENTS:

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AVAILABLE: Library of Congress

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GO/gmp
1-7-59

SOV-135-58-3-18/19

AUTHOR: Voshchanov, K.P., Chairman of the Methods Council for Correspondence Courses on Welding Technology and Equipment

TITLE: On the Organization of Correspondence Courses in Advanced Training for Engineers and Technicians in the Field of Technology and Equipment Used in Welding (Ob organizatsii zaochnykh kursov usovershenstvovaniya ITR v oblasti tekhnologii i oborudovaniya svarochnogo proizvodstva)

PERIODICAL: Svarochnoye proizvodstvo, 1958, Nr 3, p 48 (USSR)

ABSTRACT: Brief information is given on correspondence courses on new achievements in welding, organized by the Welding Section and the University for advanced training of technicians and engineers from the NTO Mashprom Central Administration.

1. Welding Engineering--Training 2. Welding--Equipment 3. Welding --Study and teaching

Card 1/1

AUTHOR: Voshchanov, K.P., Engineer SOV-135-58-11-10/21

TITLE: The Use of Gas Welding for Repair of Cast Iron Parts (Primeneniye gazovoy svarki dlya remonta chugunnykh detaley)

PERIODICAL: Svarochnoye proizvodstvo, 1958, Nr 11, pp 26-29 (USSR)

ABSTRACT: General information is presented on repair work carried out at VNIIAvtogen welding shops with the participation of welding operators B.I. Banevich and N.D. Korshunov. Methods of obtaining satisfactory weld joints in the repair of cast iron parts are described. Gas welding provides weld joints having properties similar to the base metal and a normal structure. The repair of heating and steam boiler sections is described and optimum technology is recommended, which includes the preheating of the worn-out boiler sections to 300 - 450° C. The size of the preheated area depends on the section design and the character of deterioration.

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The Use of Gas Welding for Repair of Cast Iron Parts SOV-135-58-11-10/21

There are 2 diagrams, and 4 photos.

ASSOCIATION: Tsentral'nyye eksperimental'nyye svarochnyye masterskiye VNIIAvtogena (VNIIAvtogen Central Experimental Welding Shops)

1. Cast iron—Gas welding 2. Gas welds—Properties
3. Industrial equipment—Maintenance

Card 2/2

AUTHOR: Voshchanov, K.P., Engineer SOV/135-59-8-8/24

TITLE: Repairing a 10,000 Ton Vertical Hydraulic Press by Welding

PERIODICAL: Svarochnoye proizvodstvo, 1959, Nr 8, pp 26-29 (USSR)

ABSTRACT: The construction of the press and the character of the damage: the vertical, four-column press with a power of 10,000 tons is designed for hot stamping of parts of light alloys. The press consists of an upper and a lower, immovable base in which four columns are installed with screw nuts. In the upper base three hydraulic cylinders are built-in, the pistons of which transmit the power onto the moveable cross piece of the press. The stamp and the workpiece are in the working space between the moveable cross piece and the lower base. In the lower base is a moveable table on which the bottom plates and the bottom half of the stamp are fixed. The top half of the stamp is fastened to the die plates of the moveable cross piece. After ten years' operation cracks were discovered in

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the lower base and the moveable cross piece. In the following the construction of the lower base of the press is described. It consists of a box-shaped cast construction with intermediate walls inside. The four columns of the press are fitted into the base. In the center is a hole for the installation of the ejection cylinder, and on the sides are the cylinders for the return motion. The base was damaged in the center cross-section, which carries the greatest strain. Completely destroyed were the bottom plate of the base and the walls of the ejector hole. In the top plate the fracture went through the whole area of the plate and ended at the vertical supports. In the lower part of the supports the cracks end at the holes. Possible causes of the damages are: considerable fatigue stresses, residual stresses, insufficient stability of the lower base near the central section, and defects of fabrication. The destruction of the moveable cross piece was caused by transverse strain. The repairing and the welding technology:

one of the main requirements put to the exchange pieces is the necessity of keeping the exact dimensions of the axes of the columns. These dimensions are determined by the assembling conditions of the three main parts of the press: the upper and lower base and the moveable cross piece with the play between the opening and the columns. All damaged parts were repaired with electric arc welding by welding through the whole cracks across the section. Before the welding the parts were heated to 350-450°C. To reduce the tensions which had occured during operation of the press and the inner tensions caused by the welding process the parts were for 4 hrs exposed to a temperature of 650-670°C and a subsequent cooling. The cracks were separated with flame cutters used for melting of flaws and with common flame cutters used for separating-cutting. The application of flame cutting made it possible to shorten the preparation time preceding the actual welding and to obtain a suitable form of separation with a minimum mass of molten metal. The

Repairing a 10,000 Ton Vertical Hydraulic Press by Welding

welding of the lower base: the work was carried out in the following order: the base was set up on edge, and the inner crack in the wall of the ejector hole was separated with the flame cutter; the same method was used to separate the cracks in the lower and upper plate of the base. In the following part the order of the welding processes is described in detail. The restoration of the moveable cross piece is extremely difficult, because the inner vertical edge is inaccessible. Therefore a hole was cut out to enable an entry into the inner hollow. The work was carried out in the following order: the cross piece was put into a furnace set up on edge. On the front side of the furnace a section was made to get into the inner hollow of the cross piece. In the top hole a suction fan was installed to suck off the welding gases. The separation of the inner edge and the cracks outside was carried out with the gas flame cutter. To enlarge the working space four holes were cut into the bottom and top plate. All this was done in a temperature

ranging from 350-450°C. After the welding the cross piece was for four hours exposed to a temperature of 650°C. The last process consisted of the welding of the opening which had been cut into the front wall. The result of the welding showed that there was no deformation or break-down at the axes of the columns. After the welding the top surface of the base was not anymore bent through. The repairing took 3 months including all preparative works. The author summarizes the following results: It is possible to repair heavy and complicated parts of presses by welding if this is done properly. In spite of the great mass of molten metal it was possible to avoid completely a warping in any subsequent mechanical working process. The tensions were reduced and redistributed, and the working capacity increased. In the lower base this attained by installing 4 stay bolts in the bottom plate; in the moveable cross piece the tensions were removed by welding 4 holes in the bottom and top plate, which strengthened and redistributed the power flux in the

Repairing a 10,000 Ton Vertical Hydraulic Press by Welding

vertical walls of the cross piece. Before the welding the bottom plate was bent through 2.6 mm under full load; afterwards it was bent through only 1.5 mm. The repair of the press by welding was very economical and shortened the time during which the complicated and very important aggregate could not be used. This was the first attempt ever made to repair heavy and complicated work pieces by welding at a temperature of 450-500°C without taking the parts out of the furnace. There are 2 photographs and 7 diagrams.

ASSOCIATION: Tsentral'nyye eksperimental'nyye svarochnyye masterskiye VNIIAVTOGENa (Central Experimental Plants for Welding of VNIIAVTOGEN)

SOV/135-59-11-1/26

18(2,3,4)

AUTHORS: Shashkov, A.N., Candidate of Technical Sciences, and Voshchanov, K.P., Engineer

TITLE: The Practice of the Central Experimental Welding Shops of VNIIAVTOGEN in the Light of the Decisions of the June Plenum of the Central Committee of the C.P.S.U.

PERIODICAL: Svarochnoye proizvodstvo, 1959, Nr 11, pp 1-3 (USSR)

ABSTRACT: At the June Plenum of the Central Committee of the C.P.S.U., N.S. Khrushchev emphasized the need for organizing special welding plants disposing of highly qualified experts and modern equipment. The large enterprises can fulfill any kind of welding jobs. However, it would be inexpedient to provide with a complete welding equipment all machine-building plants, where the volume of welding is small. Since 1930, the Central Experimental Welding Shops of VNIIAVTOGEN of the Mosgorsovnarkhoz have performed various welding jobs, and of late, they also carry out the gas-flame machining of metals. The jobs performed by these shops can be divided into 4 principal groups: 1) Performing of complex and responsible welding

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The Practice of the Central Experimental Welding Shops of VNIIAVTOGEN in the Light of the Decisions of the June Plenum of the Central Committee of the C.P.S.U.

jobs such as, repairing worn-out crank shafts of powerful stationary diesel engines, or welding 10,000 ton hydraulic press components. In the course of a year, the Central Shops serve, on the average, 350-400 enterprises. All basic methods of welding used in industry are applied. The Shops are well equipped with various welding materials, such as filler metals, fluxes, electrodes, etc., and dispose of a modern welding equipment; 2) Assistance rendered by the Shops to other enterprises when special methods of metal welding and cutting are needed; 3) Metal spraying and surfacing by plastics. These processes are widely used in the radio and electrical industry; 4) Setting in operation and adjusting new equipment such as acetylene stations, gas-cutting automatic machines, equipment for special steels cutting, installations for metal spraying and surfacing by plastics, argon arc welding, gas welding of nonferrous metals with application of gaseous flux BM-1, and low temperature welding of cast iron. In the course of a year, 70-120 different enterprises are served in this field by the Shops. It is planned to organize a special welding plant along the following

The Practice of the Central Experimental Welding Shops of VNIIAVTOGEN in the Light of the Decisions of the June Plenum of the Central Committee of the C.P.S.U.

lines: It should consist of two departments: procurement-mechanical and assembling-welding. The first department should be equipped with all sorts of metal-cutting machines, such as lathes, drilling, milling and shaping machines, metal cutting shears, etc., for preparing the work pieces to be welded and for their subsequent machining after the welding. The second department should be provided with modern equipment permitting performance of all kinds of welding, such as arc welding, gas-electric welding, contact welding, etc.; it should be also equipped with installations for automatic surfacing by plastics. A special section should be organized for carrying out jobs at other plants when the units to be repaired cannot be dismantled and delivered to the welding plant. For this purpose, transportable electro-welding assemblies and other appliances for automatic welding and oxygen cutting should be available.

VOSHCHANOV, Konstantin Pavlovich; KIRILLOV, Ivan Ivanovich; CHERNYAK, V.S., nauchnyy red.; SAZIKOV, M.I., red.; DORODNOVA, L.A., tekhn.red.

[Machines and apparatuses for the flame machining of metals] Mashiny i apparatura dlia gazoplamennoi obrabotki metallov. Moskva, Proftekhizdat, 1963. 122 p. (MIRA 16:6)
(Gas welding and cutting--Equipment and supplies)

CHERNYAK, Viktor Samuilovich; VOSHCHANOV, Konstantin Pavlovich; ZVEGINTSEVA, K.V., nauchnyy red.; KOLOSOV, V.N., red.; NESMYSLOVA, L.M., tekhn. red.

[A young welder's manual] Spravochnik molodogo svarshchika. Izd.3., perer. i dop. Moskva, Profteknizdat, 1963. 527 p. (MIRA 16:7)

(Welding--Handbooks, manuals, etc.)

VOSHCHANOV, K.P.; BRAGINA, Ye.I., red.; VIKTOROVA, Z.N., tekhn. red.

[Welding of cast iron; a review] Svarka chuguna; obzor. Moskva, TSentr. in-t nauchno-tekhn. informatsii mashinostroeniia, 1961. 49 p. (MIRA 14:11)

(Cast iron—Welding)

PHASE I BOOK EXPLOITATION SOV/5730

Bort, M. M., Candidate of Technical Sciences, L. A. Byalotskiy, Engineer, G. V. Vasil'yev, Engineer, K. P. Voshchanov, Engineer, M. N. Gapchenko, Candidate of Technical Sciences, N. A. Gorpenyuk, Candidate of Technical Sciences, P. G. Grebel'nik, Candidate of Technical Sciences, V. I. Dyatlov, Candidate of Technical Sciences, I. P. Trochun, Candidate of Technical Sciences, and K. K. Khrenov, Academician, Academy of Sciences UkrSSR.

Spravochnik elektrosvarshchika (Electric Weldor's Handbook) 3rd ed., rev. Moscow, Mashgiz, 1961. 748 p. 75,000 copies printed.

Resp. Ed.: P. G. Grebel'nik, Candidate of Technical Sciences; Ed.: M. S. Soroka; Chief Ed. (Southern Dept. Mashgiz): V. K. Serdyuk, Engineer.

PURPOSE : This handbook is intended for weldors. It may also be useful to foremen, designers, and process engineers.

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Electric Weldor's Handbook SOV/5730

COVERAGE: The book deals with processes and techniques of manual, semiautomatic, and automatic arc welding and with the surfacing of ferrous and nonferrous metals. Electroslag and gas-shielded electric welding are also discussed. Detailed characteristics of electrodes are given, and the compositions of fluxes are considered. Attention is given to the metals used in the industry, the weldability of these metals, and welding equipment, devices, and tools. Stresses and distortions occurring in welding and the possibilities of their elimination are analyzed. Weld-inspection methods are described. The appendixes contain conventional weld-specification symbols and the codes for qualification tests of electric and gas weldors. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

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CHERNYAK, Viktor Samuylovich, inzh.; VOSHCHANOV, Konstantin Pavlovich, inzh.; ZVEGINTSEVA, K.V., nauchnyy red.; BASHKOVICH, A.L., red.; PROKOF'YEVA, L.G., red.; PEREDERIY, S.P., tekhn. red.

[Young welder's handbook] Spravochnik molodogo svarshchika. Izd.2., perer. i dop. Moskva, Vses. uchebno-pedagog. izd-vo Proftekhizdat, 1961. 656 p. (MIRA 14:8)

(Welding)

BORT, M.M., kand.tekhn.nauk; BYALOTSKIY, L.A., inzh.; VASIL'YEV, G.V., inzh.; VOSHCHANOV, K.P., inzh.; GAPCHENKO, M.N., kand.tekhn.nauk; GORPENYUK, N.A., kand.tekhn.nauk; GREBEL'NIK, P.G., kand.tekhn.nauk; DYATLOV, V.I., kand.tekhn.nauk; TROCHUN, I.P., kand.tekhn.nauk; KHRENOV, K.K., akademik; SOROKA, M.S., red.

[Electric welder's handbook] Spravochnik elektrosvarshchika. Izd.3., perer. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1961. 748 p. (MIRA 14:6)

1. AN USSR (for Khrenov).
(Electric welding)